## B. Remarks

The claims are 1-3, with claim 1 being the sole independent claim.

Reconsideration of the claims is expressly requested.

Claims 1-3 stand rejected under 35 U.S.C. § 103(a) as being allegedly obvious from U.S. Patent No. 4,825,249 (Oki) in view of U.S. Patent Nos. 3,024,209 (Ferrigno) and 3,387,071 (Cahill). The grounds of rejection are respectfully traversed.

Prior to addressing the merits of rejection, Applicants would like to briefly discuss some of the features and advantages of the presently claimed invention. That invention, in pertinent part, is related to a process for producing a cleaning blade. In this process, a urethane blade is first dried to limit the water content of the urethane resin to 1% by weight or less. Then, at least a portion of the blade is impregnated with an isocyanate compound. After the impregnation, warm or hot air at a temperature not lower than the melting point of the isocyanate compound is blown on the blade surface to remove the isocyanate compound remaining on the surface. The urethane resin that forms the blade is allowed to react with the isocyanate compound to form a cured layer. As result of this process, the prior art problems associated with the friction of a urethane resin blade are resolved.

Since the urethane resin has hydrophilic groups, it tends to absorb moisture from the air and has a water content of more than 1% by weight. However, if the urethane resin contains this much water, the isocyanate compound reacts with the water to generate foam, which makes the blade surface uneven (page 21, line 24 -page 22, line 2). In addition, water inhibits the reaction of the isocyanate compound and the urethane resin.

Therefore, in the present invention, the urethane resin is dried before the isocyanate impregnation takes place in order to reduce the water content.

Oki discloses a cleaning blade for use with a photoelectronic copying machine, comprising a urethane substrate coated with a specific perfluoropolyether, which may have an isocyanate at one of its ends. As noted by the Examiner, Oki teaches applying the perfluoropolyether by dipping. However, as acknowledged by the Examiner, Oki does not disclose or suggest drying the urethane substrate before the perfluoropolyether is applied to reduce the water content to 1% by weight or less. Nevertheless, the Examiner alleged that this feature is taught by Ferrigno. Applicants respectfully disagree.

Ferrigno is directed to polyurethane foam with an inorganic pigment coated with a polymeric material. This document discloses that the pigment (or filler) added to a polyurethane prepolymer should be dried to have a water content of less than 1% by weight (col. 9, lines 39-46). This, however, is clearly not a teaching that a urethane resin blade or even a polyurethane prepolymer in Ferrigno should be dried to have a water content of less than 1% by weight.

The criticality of the presently claimed moisture content of the urethane resin blade is clearly demonstrated by Comparative Example 1 in the present application. Specifically, in Comparative Example 1, a urethane blade was not dried prior to being immersed into the isocyanate bath. As a result, the urethane resin had a water content from 1.5 to 2.1 % by weight. However, in Example 1, when the same blade was dried prior to being immersed in the bath, the water content was only 0.6-0.8 % by weight. The blade in Comparative Example 1 was found to have inferior properties to that in Example 1 (Table

1). This data clearly rebuts any presumption that it would have been obvious to carry out

the drying step to limit the moisture content as claimed.

Cahill cannot cure the deficiencies of Oki and Ferrigno. Cahill is directed to

modified urethane fibers. Specifically, Cahill teaches how to modify urethane fibers to

improve their heat resistance, toxic properties and elasticity (col. 1, lines 43-56). Cahill,

however, also does not disclose or suggest at least steps (1) and (2) of the presently claimed

invention.

In conclusion, Applicants respectfully submit that whether considered

separately or in any combination, the documents of record fail to disclose or suggest the

presently claimed elements. Wherefore, withdrawal of the outstanding rejections and

passage of the application to issue are respectfully requested.

Applicants' undersigned attorney may be reached in our New York office by

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